



# National Weather Service

## Storm Data and Unusual Weather Phenomena



July 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
----------	------	----------------------------	---------------------------	--------------------------	--	---------------------------------------	--------------------

### WISCONSIN, Southeast

#### Washington County

**4 E Kewaskum**      **02**      **0415CST**                **0**      **0**      **100K**      **Lightning**  
Lightning struck a pole barn, resulting in a fire which destroyed the barn. The horses escaped without injury.

#### Washington County

**2 NW West Bend**      **02**      **1828CST**  
**1829CST**                **0**      **0**           **Funnel Cloud**

#### Waukesha County

**Hartland**      **02**      **1908CST**  
**1914CST**                **0**      **0**           **Funnel Cloud**

#### WIZ072

**Kenosha**  
**05**      **1300CST**  
**1303CST**                **0**      **0**      **0.10K**      **Dust Devil**

A rare, short-lived dust devil spun up over a recently plowed field and then moved into the backyard of a residence about 2 miles SSE of Pleasant Prairie. It turned over and damaged a patio umbrella and lifted a heavy metal table. It was on the ground for about 100 yards, and was about 1 to 2 yards in diameter. The home's owner said it had a very strange sound.

#### Lafayette County

**7.5 N Argyle**      **08**      **0930CST**                **0**      **0**      **1K**      **Thunderstorm Wind**  
Powerful thunderstorm winds knocked large branches out of trees in the city of Blanchardville. Pea size hail also occurred.

#### Dane County

**Stoughton**      **08**      **0935CST**                **0**      **0**      **30K**      **Thunderstorm Wind**  
A line of thunderstorms with intense winds formed a microburst which blew over a concrete brick wall on a construction site in Stoughton. In addition, the intense winds blew a pleasure boat across a road, resulting in some damage to the boat. Due to the small area of damage, this event was most likely a wet microburst that generated wind gusts in excess of 60 mph.

#### Columbia County

**5 NE Portage**      **12**      **1530CST**                **0**      **0**      **5K**      **Thunderstorm Wind**  
Strong thunderstorm winds toppled large trees northeast of Portage. Pea size hail also fell

#### Washington County

**3 W Hartford**      **12**      **1719CST**  
**1720CST**                **0**      **0**           **Funnel Cloud**

#### Waukesha County

**Sussex**      **15**      **1230CST**                **0**      **1**           **Lightning**  
Lightning struck and injured a 20 year old man working in a lumber yard. He was briefly treated at a local hospital.

#### Green County

**Browntown**      **18**      **0000CST**  
**0330CST**                **0**      **1**      **6M**      **6M**      **Flash Flood**

The same thunderstorms that trained southeast through nextdoor Lafayette county also created flash flooding in the Browntown to Monroe areas down to Martintown in Green county. Rainfall amounts in a 5 hour period ending at 0200CST generally totaled 10 to 12 inches in this triangular area. Up to 13.50 inches fell about 6 miles northwest of Monroe!! A bridge on the Highway 11 approach to Browntown was washed away as water depths on the road reached 4 feet. The highway east of Browntown was closed for several days after the flood waters receded. Most roads into Browntown were closed due to flash flooding of streams, creeks, and rivers. Consequently, Browntown was almost isolated. The flood waters of Skinner Creek washed out County Highway Y about 4 miles northeast of Browntown. Smock Creek flooded Highway 11 just east of Browntown for the first time in 60 years! Three homes in Monroe sustained major structural damage, and many other homes had basement flooding. Businesses in Monroe also suffered flash flood damage as water surged thru the streets. One women at the Green County Fairgrounds in Monroe was injured as flood waters swept her off her feet. Serious soil erosion and crop damage occurred to about 15,000 acres of rural farm fields. Highway 81 west of Monroe was closed to high water levels. Local people claimed that the Pecatonica River upstream from Martintown was the highest they've ever seen. This river at Martintown crested at 16.12 feet at 2000CST on the 20th, or 5.13 feet above flood stage. It was above flood stage from 0400CST on the 18th to 2105CST on the 24th of July!



# National Weather Service

## Storm Data and Unusual Weather Phenomena



July 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

### WISCONSIN, Southeast

#### Lafayette County

<b>Blanchardville</b>	18	0100CST 0400CST			0	0	480K	100K	<b>Flash Flood</b>
-----------------------	----	--------------------	--	--	---	---	------	------	--------------------

Flash flooding occurred in the villages of Blanchardville and Argyle due to rainfalls of 6 to 7 inches within a 4 to 5 hour period. These rains were the result of thunderstorms developing in Lafayette and Iowa counties, and then training ESE into the Blanchardville area. In Blanchardville a bridge was washed out, and two roads under construction sustained major damage to their curb and gutter segments. Just east of Argyle, on Highway 81, a 200 foot section of the highway's gravel shoulder was washed away by flood waters. Rural farm land, especially along the east branch of the Pecatonica River in eastern Lafayette county, also sustained some soil and crop damage. In Blanchardville, the east branch of the Pecatonica River crested at 14.47 feet at 2245CST on the 18th, or 3.47 feet above flood stage. At this location the river exceed flood stage at 0300CST on the 18th and finally went below flood stage at 2045CST on July 19th.

#### Green County

<b>Monticello</b>	18	0100CST 0400CST			0	0			<b>Flash Flood</b>
-------------------	----	--------------------	--	--	---	---	--	--	--------------------

Flash flood producing thunderstorms eventually drifted into the eastern part of Green county. Rainfall amounts within a 5 hour period totaled 6 to 8 inches in the northeast corner of the county around Brooklyn to 10 to 12 inches in the Monticello to Brodhead area. Several roads and bridges were washed out in the Monticello to Brodhead area. Highway 39 east of Monticello suffered severe damage and was projected to be closed for several months for repairs. About 25,000 acres of farmland had serious flooding and erosion in a 10 mile wide swath from Monticello to Brodhead, with 20% of these acres having a total loss. Water was reported to be 10 feet high in some farm fields. Water levels on the Sugar River in Brodhead were the highest since 1975. The river this location crested at 8.69 feet at 1200CST on the 18th, or 3.69 feet over flood stage. The river was above flood stage from 0515CST on the 18th through 0605CST on July 21st.

#### Green Lake County

<b>2 SW Manchester</b>	18	0855CST			0	0	1K		<b>Lightning</b>
------------------------	----	---------	--	--	---	---	----	--	------------------

Lightning struck a wooden pole barn and started a brief fire. The fire was quickly put out before major damage occurred.

#### Green Lake County

<b>10 W Berlin to 9.5 W Berlin</b>	18	1705CST 1706CST			0	0			<b>Funnel Cloud</b>
--	----	--------------------	--	--	---	---	--	--	---------------------

#### Green Lake County

<b>8.3 NW Green Lake to 6.3 NW Green Lake</b>	18	1715CST 1730CST	2	125	0	0			<b>Tornado (F1)</b>
---	----	--------------------	---	-----	---	---	--	--	---------------------

A tornado touched down in a wooded area of the Township of St. Marie about 1 mile south of County Trunk Hwy D. Touchdown was 8.3 miles northwest of the city of Green Lake and liftoff was on the Fox River about 6.3 miles northwest of the city of Green Lake. The only damage was to trees along its 2 mile path.

#### Green Lake County

<b>5 N Green Lake</b>	18	1729CST 1730CST			0	0			<b>Hail (0.75)</b>
-----------------------	----	--------------------	--	--	---	---	--	--	--------------------

#### Fond Du Lac County

<b>Ripon</b>	18	1743CST 1744CST			0	0			<b>Hail (1.00)</b>
--------------	----	--------------------	--	--	---	---	--	--	--------------------

#### Fond Du Lac County

<b>4 WNW Oakfield to 1 NW Eden</b>	18	1805CST 1835CST	13.3	400	0	12	39.5M	900K	<b>Tornado (F5)</b>
--	----	--------------------	------	-----	---	----	-------	------	---------------------

A violent tornado struck the village of Oakfield at about 1815CST after it touched down 4 miles WNW of the village. During its approach on Oakfield it intensified to a F3 rating. When it tore through the village it intensified to a F4, but along its path 1 to 4



# National Weather Service

## Storm Data and Unusual Weather Phenomena



July 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

### WISCONSIN, Southeast

miles east of the village it intensified to F5 strength (estimated 265 mph winds). In this span 4 homes were completely swept clean off their foundations and a couple automobiles became airborne missiles for a distance of about 400 feet. The core width of the most intense damage was about 150 to 200 yards, although at times, some secondary damage was observed in a 400 yard wide path

Oakfield residents heard local sirens about 8 minutes before the tornado entered the village. Miraculously, no one was killed, but there were 12 injuries. Some of the injured were hospitalized. Along the tornadoes path, 60 homes and 6 businesses were destroyed. An additional 130 homes and businesses were damaged. In Oakfield, a commercial canning company was devastated. Two churches in the village were also destroyed, as well as numerous vehicles. In the rural areas along the tornadoes path, 18 barns and many sheds were destroyed or damaged, and about 500 acres of crops were wiped out. Total damage amounts were \$39.5 million in public/private property, and \$900,000 in crop losses. Residents reported that they had difficulty "popping" their ears as the tornado roared through their neighborhood.

Prior to entering Oakfield, the tornado hopped and skipped a few times, and multiple voices were observed at times during its life cycle. Witnesses reported that the tornado "paused" for a minute or so on the southeast edge of Oakfield. As the tornado tore through Oakfield it changed it's heading to east. Corn fields just east of Oakfield were reduced to short 1 to 4 inch high stubble, and burn marks were clearly visible in the fields. In the third segment of the tornadoes life, when it turned northeast at a point 5.5 miles east of Oakfield, it's strength diminished rapidly. By the time it "roped out" 1 mile NW of Eden, it's supporting mesocyclone's position on WSR-88D Doppler was about 5 miles to the south! Debris was found east to the Lake Michigan shoreline, and cancelled checks were later found 125 miles E/SE near Muskegon, MI!

#### **Fond Du Lac County**

**2 NW Marytown to  
2.5 SE Marytown**

18	1807CST 1815CST	4.4	200	1	1	450K	300K	Tornado (F2)
----	--------------------	-----	-----	---	---	------	------	--------------

A strong tornado (F2) struck Marytown, resulting in 1 fatality (81 year old male) and 1 injury. This tornado actually touched down in Calumet county about 1.1 miles SE of Jericho (see WFO GRB Stormdata report), and then headed southeast into into Fond du Lac county at a point 2.0 NW of Marytown. It destroyed or damaged at least a couple dozen barns, sheds, and homes on a southeastward path. Many large trees were uprooted. The north side of Marytown was hit the hardest, where a house trailer, 3 homes, and a machine shed were destroyed. The tornado exited Fond du Lac county at a point 2.5 miles SE of Marytown and re-entered Calumet county where it quickly dissipated. The path length in Fond du Lac county was 4.4 miles. M81H

#### **Fond Du Lac County**

**1.3 WNW Marytown to  
.5 N Marytown**

18	1807CST 1809CST	1.2	75	0	0	100K	Tornado (F0)
----	--------------------	-----	----	---	---	------	--------------

A weak tornado touched down 1.3 miles WNW of Marytown and moved east to a point .5 mile north of Marytown. It only damaged farm crops before it dissipated. This weak tornado preceded the other tornado that touched down in Calumet county and eventually tore through Marytown in northeast Fond du Lac county.

#### **Fond Du Lac County**

**4 E Oakfield**

18	1810CST 1811CST			0	0		Hail (2.50)
----	--------------------	--	--	---	---	--	-------------

#### **Fond Du Lac County**

**Oakfield**

18	1825CST 1826CST	0.6	50	0	0		Tornado (F0)
----	--------------------	-----	----	---	---	--	--------------

Yet another tornado (F0 this time) briefly touched down in Oakfield about 10 minutes after the violent tornado had gone through. It moved along the original damage path, from the western to eastern village limits, and only picked up some of the original debris. The path length was about .6 miles.

#### **Fond Du Lac County**

**4 WNW North Fond Du  
3.8 WNW North Fond  
Du Lac**

18	1827CST 1828CST	0.2	50	0	0	100K	100K	Tornado (F0)
----	--------------------	-----	----	---	---	------	------	--------------

A weak tornado (F0) briefly touched down in a rural area 4 WNW of North Fond du Lac, or just east of Eldorado Marsh State Park. It destroyed or damaged a barn and a machine shed on a path length of .2 miles. It dissipated 3.8 WNW of North Fond du Lac. Some crop damage was also noted.



# National Weather Service

## Storm Data and Unusual Weather Phenomena



July 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
<b>WISCONSIN, Southeast</b>									
<b>Sheboygan County</b>									
Elkhart Lake	18	1829CST			0	0			Funnel Cloud
<b>Sheboygan County</b>									
4 SSE Plymouth	18	1832CST			0	0	20K		Thunderstorm Wind
Powerful thunderstorms winds toppled several large trees in the area 4 SSE of Plymouth to near Cascade. One of the toppled trees damaged a vehicle.									
<b>Sheboygan County</b>									
2 W Greenbush	18	1840CST			0	0			Funnel Cloud
<b>Fond Du Lac County</b>									
3.8 SE Byron to 3.9 SE Byron	18	1855CST 1856CST	0.1	50	0	0	75K		Tornado (F0)
A weak tornado (F0) briefly touched down about 3.8 miles SE of the village of Byron. It flattened a portion of a corn field south of Campbell Road and west of Hilltop Road.									
<b>Fond Du Lac County</b>									
Dundee	18	1859CST			0	0	15K		Thunderstorm Wind
Powerful thunderstorm winds blew over several large trees in the Dundee area.									
<b>Fond Du Lac County</b>									
Dundee	18	1859CST			0	0			Funnel Cloud
<b>Sheboygan County</b>									
Adell	18	1900CST			0	0			Funnel Cloud
<b>Washington County</b>									
1 N Fillmore	18	1905CST			0	0			Funnel Cloud
<b>Sheboygan County</b>									
1.8 SSW Beechwood to 2 S Beechwood	18	1910CST 1912CST	0.9	150	0	0	250K	0.20K	Tornado (F1)
A F1 tornado touched down 1.8 miles SSW of Beechwood and was on the ground for only 2 minutes before lifting off 2.0 miles south of Beechwood. Several homes and a couple barns were damaged, and there was some crop damage. There were no injuries or deaths.									
<b>Ozaukee County</b>									
Port Washington	18	1915CST			0	0			Hail (1.75)
<b>Ozaukee County</b>									
1 NNW Fredonia to 3.4 NE Knellsville	18	1918CST 1928CST	7.6	125	0	0	300K	230K	Tornado (F1)
A weak tornado touched down 1 mile NNW of Fredonia and then hopped and skipped to a point .6 miles south of Holy Cross where it intensified from F0 to F1. This tornado continued on the ground ESE near and south of Dixie Road to the Lake Michigan shoreline at a point 3.4 miles NE of Knellsville. It destroyed 4 barns and 3 machine sheds, and 1 garage. It also damaged 6 homes, 1 barn, 3 machine sheds, and 1 garage. There was also crop damage to about 500 acres along its path through rural areas. Several vehicles were also destroyed or damaged. There were no injuries or deaths. Total damage amounts were \$300,000 in private/public property and \$230,000 for crops. This tornado then became a waterspout as it continued ESE over Lake Michigan									
<b>Ozaukee County</b>									
1.2 SSE Dacada	18	1921CST			0	0			Funnel Cloud
<b>Ozaukee County</b>									
1.6 E Port Washington A 1.8 NE Port Washington	18	1928CST 1930CST	0.8	75	0	0			Tornado (F0)
A weak (F0) tornado touched down 1.6 miles east of the Port Washington airport, just east of I-94, and proceeded to head southeast to the Lake Michigan shoreline at a point 1.8 miles NE of the city of Port Washington. No significant damage was noted. It then moved out over Lake Michigan as a waterspout.									



# National Weather Service

## Storm Data and Unusual Weather Phenomena



July 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured		Estimated Damage Property Crops	Character of Storm
----------	------	----------------------------	---------------------------	--------------------------	--	--	---------------------------------------	--------------------

### WISCONSIN, Southeast

#### **Ozaukee County**

<b>3.4 NE Knellsville to 5.2 SE Lake Church</b>	<b>18</b>	<b>1928CST 1931CST</b>			<b>0</b>	<b>0</b>		<b>Waterspout</b>
---	-----------	----------------------------	--	--	----------	----------	--	-------------------

This waterspout was a continuation of a F1 tornado that originally touched down near Fredonia and moved east/southeast to the shoreline at a point 3.4 NE of Knellsville. No damage was noted. Its path length over water was about 2.0 miles. It dissipated about 5.2 SE of Lake Church.

#### **Ozaukee County**

<b>1.8 NE Port Washington 2.1 ENE Port Washington</b>	<b>18</b>	<b>1930CST 1933CST</b>			<b>0</b>	<b>0</b>		<b>Waterspout</b>
---	-----------	----------------------------	--	--	----------	----------	--	-------------------

This waterspout was a continuation of a F0 tornado that originally touched down a couple miles east of the Port Washington airport. No damage was noted with this waterspout which had a path length of about 1.3 miles over water. It dissipated about 2.1 ENE of Port Washington.

#### **Ozaukee County**

<b>Waubeka</b>	<b>18</b>	<b>1956CST</b>			<b>0</b>	<b>0</b>	<b>20K</b>	<b>Thunderstorm Wind</b>
----------------	-----------	----------------	--	--	----------	----------	------------	--------------------------

Intense thunderstorm winds toppled large trees in Waubeka, resulting in a clean-up job

#### **Washington County**

<b>Kewaskum</b>	<b>18</b>	<b>1958CST</b>			<b>0</b>	<b>0</b>	<b>15K</b>	<b>Thunderstorm Wind</b>
-----------------	-----------	----------------	--	--	----------	----------	------------	--------------------------

Powerful thunderstorm winds blew over several large trees in the city of Kewaskum, resulting in a significant clean-up problem.

#### **Dodge County**

<b>Rubicon</b>	<b>18</b>	<b>2015CST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>Thunderstorm Wind</b>
----------------	-----------	----------------	--	--	----------	----------	-----------	--------------------------

Powerful thunderstorm winds knocked many large branches out trees in Rubicon.

#### **Washington County**

<b>Hartford</b>	<b>18</b>	<b>2025CST</b>			<b>0</b>	<b>0</b>	<b>18K</b>	<b>Thunderstorm Wind</b>
-----------------	-----------	----------------	--	--	----------	----------	------------	--------------------------

Powerful thunderstorm winds roared through Hartford and toppled large trees or knocked down large branches around the city.

#### **Milwaukee County**

<b>Brown Deer</b>	<b>18</b>	<b>2112CST</b>			<b>0</b>	<b>0</b>	<b>12K</b>	<b>Thunderstorm Wind</b>
-------------------	-----------	----------------	--	--	----------	----------	------------	--------------------------

Powerful thunderstorm winds felled several large trees or knocked down large tree branches in Brown Deer.

#### **Dane County**

<b>Madison</b>	<b>22</b>	<b>1330CST 1332CST</b>			<b>0</b>	<b>0</b>		<b>Hail (1.75)</b>
----------------	-----------	----------------------------	--	--	----------	----------	--	--------------------

#### **Kenosha County**

<b>.5 N Wilmot to 2.8 NE Benet Lake</b>	<b>24</b>	<b>1405CST 1418CST</b>	<b>7</b>	<b>50</b>	<b>0</b>	<b>0</b>		<b>Tornado (F0)</b>
---	-----------	----------------------------	----------	-----------	----------	----------	--	---------------------

A weak tornado hopped and skipped across mostly open rural areas on an easterly path. It was not on the ground the entire time. Touchdown was .5 mile N of Wilmot and liftoff was 2.8 miles northeast of Benet Lake. Damage was limited to just trees. There were no injuries or deaths, or any known structural damage.

#### **Kenosha County**

<b>2 N Bristol</b>	<b>24</b>	<b>1417CST 1419CST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>Thunderstorm Wind</b>
--------------------	-----------	----------------------------	--	--	----------	----------	------------	--------------------------

Powerful thunderstorm winds blew over large trees which damaged telephone lines